

**ABSTRACT OF THE DISCLOSURE**

A novel microorganism producing a nontoxic, non-antigenic exopolysaccharide is taught. The exopolysaccharide has neutral sugars migrating at the same rate as mannose, fucose, fructose and galactose, acidic  
5 sugars migrating at the same rate as fucose and amine sugars migrating at the same rate as glucose and fucose, and wherein the ratio of galactose:fucose:glucose:mannose is about 1:2:3:6. The microbe and the exopolysaccharide have  
10 uses as a biofilm in geologic applications and have several consumer uses as food and drug polymers and use as a plasma extender.